Patent Abstracts of Japan

PUBLICATION NUMBER : 09157295
PUBLICATION DATE : 17-06-97

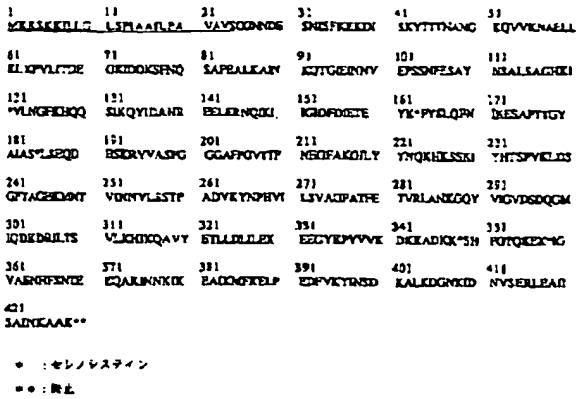
APPLICATION DATE : 05-12-95
APPLICATION NUMBER : 07344504

APPLICANT : KAGAKU GIJUTSU SHINKO JIGYODAN;

INVENTOR : MATSUMOTO MISAKO;

INT.CL. : C07K 14/705 C07H 21/04 C12N 15/09 C12P 21/02 // A61K 31/70 A61K 38/00 A61K 38/00 (C12N 15/09 , C12R 1:91), (C12P 21/02 , C12R 1:19)

TITLE : MEMBRANOUS PROTEIN M161AG AND CYCLIC-DNA CAPABLE OF CODING THE SAME



* : セレノシステイン
** : 終止

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a new membranous protein M161Ag, having a specific amino acid sequence, biosynthetically produced in relation to apoptosis of a cell, having actions on promotion of the clearance of a human myelocytic leuke mic cell and useful as a therapeutic agent, etc., for leukemia, etc.

SOLUTION: This new membranous protein M161Ag has an amino acid sequence represented by the formula or an amino acid sequence substantially the same as that of the amino acid sequence represented by the formula and is biosynthetically produced in relation to the apoptosis of a cell, capable of promoting the clearance of a cancer cell, especially a human myelocytic leukemic cell and useful as a therapeutic agent, etc., for leukemia, etc. The membranous protein M161Ag is obtained by extracting an mRNA from a P39 (+) strain which is a substrain of a myelocytic leukemic cell strain P39, preparing a cDNA library using the resultant mRNA, then screening the prepared cDNA library with a synthetic oligonucleotide capable of coding a part of an amino acid sequence of the membranous protein purified from the P39 (+) strain as a probe, integrating the resultant cDNA into a vector and carrying out the expression thereof in a host cell.